

Acronyms and Abbreviations

Note: Sampling location abbreviations can be found on page xiii.

A

AEC – U.S. Atomic Energy Commission

ALARA – As low as reasonably achievable

ANSP – Academy of Natural Sciences of Philadelphia

B

BCG – Biota concentration guide

BOD – Biological oxygen demand

BSRI – Bechtel Savannah River, Inc.

BTU – British Thermal Unit

C

CAA – Clean Air Act

CAAA – Clean Air Act Amendments of 1990

CAB – Citizens Advisory Board

CAS – Chemical abstract numbers

CDC – Centers for Disease Control and Prevention

CERCLA – Comprehensive Environmental Response, Compensation, and Liability Act (Superfund)

CFC – Chlorofluorocarbon

CFR – Code of Federal Regulations

CIF – Consolidated Incineration Facility

CLED – Contaminated large-equipment disposition

CMP – Chemicals, metals, and pesticides

COU – Catalytic oxidation unit

CSRA – Central Savannah River Area

CSSX – Caustic side solvent extraction

CSWTF – Central Sanitary Wastewater Treatment Facility

C-TOX – Chronic toxicity

CWA – Clean Water Act

CX – Categorical exclusion

D

D&D – Deactivation and decommissioning

DCG – Derived concentration guide

DOE – U.S. Department of Energy

DOE/EML – U.S. Department of Energy Environmental Measurements Laboratory

DOE-HQ – U.S. Department of Energy-Headquarters

DOE-SR – U.S. Department of Energy-Savannah River Operations Office

DUS – Dynamic underground stripping

DWPF – Defense Waste Processing Facility

DWS – Drinking water standards

E

EA – Environmental assessment

ECA – Environmental Compliance Authority

EE/CA – Engineering evaluation/cost analysis

EGG – Environmental Geochemistry Group

EIS – Environmental impact statement

EMCAP – Environmental Monitoring Computer Automation Program

EMS – Environmental Monitoring Section of the Environmental Protection Department (of Westinghouse Savannah River Company)

EPA – U.S. Environmental Protection Agency

EPCRA – Emergency Planning and Community Right-to-Know Act

EPD – Environmental Protection Department (of Westinghouse Savannah River Company)

ERA – Environmental Resource Associates

ERD – Environmental Restoration Division

ERDMS – Environmental Restoration Data Management System

ESCO – Energy Services Company

ETF – Effluent Treatment Facility

EST – Environmental Sciences and Technology Department

F

FDD – Facilities Decontamination and Decommissioning program (formerly the Facilities Disposition Division)

FFA – Federal Facility Agreement

FFCA – Federal Facility Compliance Agreement

FFCAct – Federal Facility Compliance Act

FONSI – Finding of no significant impact

G

GDNR – Georgia Department of Natural Resources

GIMS – Geochemical Information Management System

GIS – Geographic Information System

GOCO – Government-owned, contractor-operated

GPMP – Groundwater Protection Management Program Plan

GSMP – Groundwater Surveillance Monitoring Program

GSA – General Separations Area

H

HBFC – Hydrobromofluorocarbon

HCFC – Hydrochlorofluorocarbon

HEAST – *Health Effects Assessment Summary Tables* (EPA)

HVAC – Heating, ventilation, and air conditioning

HWMF – hazardous waste management facilities

I

ICRP – International Commission on Radiological Protection

ISO – International Organization for Standardization

K

KAMS – K-Area materials storage

L

LDR – Land disposal restrictions

LLD – Lower limit of detection

LLW – Low-level radioactive waste

M

MACT – Maximum achievable control technology

MAP – Mitigation action plan

MCL – Maximum contaminant level

MDA – Minimum detectable activity

MDC – Minimum detectable concentration

MDL – Minimum detectable limit

MLLW – Mixed (i.e., hazardous and radioactive) low-level radioactive waste

MOX – Mixed oxide

MRD – Mean relative difference

mrem – Millirem

MWMF – Mixed Waste Management Facility

N

NCRP – National Council on Radiation Protection and Measurements

NELAC – National Environmental Laboratory Accreditation Conference

NEPA – National Environmental Policy Act

NESHAP – National Emission Standards for Hazardous Air Pollutants

NFN – No file negative

NHPA – National Historic Preservation Act

NIST – National Institute of Standards and Technology

NOV – Notice of violation

NPDES – National Pollutant Discharge Elimination System

NRC – Nuclear Regulatory Commission

NSPS – New Standards of Performance for Stationary Sources

NWP – Nationwide permit

O

ODS – Ozone-depleting substance

P

PAR Pond – Pond constructed at Savannah River Site in 1958 to provide cooling water for P-Reactor and R-Reactor (P and R; hence, PAR)

PEIS – Programmatic environmental impact statement

pH – Measure of the hydrogen ion concentration in an aqueous solution (acidic solutions, pH from 0–6; basic solutions, pH > 7; and neutral solutions, pH = 7)

ppm – Parts per million

PQL – Practical quantitation limit

Q

QA – Quality assurance

QAP – Quality Assurance Program (Department of Energy)

QA/QC – Quality assurance/quality control

QC – Quality control

R

RBOF – Receiving Basin for Offsite Fuel

RCRA – Resource Conservation and Recovery Act

RFI/RI – RCRA facility investigation/remedial investigation

ROD – Record of decision

ROSRS – Remote-operations size-reduction system

RQ – Reportable quantity

RTF – Replacement Tritium Facility

S

SARA – Superfund Amendments and Reauthorization Act

SCDHEC – South Carolina Department of Health and Environmental Control

SCHWMR – South Carolina Hazardous Waste Management Regulations

SDWA – Safe Drinking Water Act

SEIS – Supplemental environmental impact statement

SESI – Shealy Environmental Services, Inc.

S&HO – Safety and Health Operations

SIRIM – Site Item Reportability and Issues Management

S&M – Surveillance and maintenance

SRARP – Savannah River Archaeological Research Program

SREL – Savannah River Ecology Laboratory

SRIP – Savannah River implementation procedure

SRL – Savannah River Laboratory (now Savannah River Technology Center)

SRS – Savannah River Site

SRTC – Savannah River Technology Center (formerly Savannah River Laboratory)

STP – Site treatment plan

SU – Standard unit

SUD – Site Utilities Division of Westinghouse Savannah River Company

SVE – Soil vapor extraction

SWD – Solid Waste Division

SWDF – Solid Waste Disposal Facility

SWMF – Solid Waste Management Facility

T

TCLP – Toxicity Characteristic Leaching Procedure

TLD – Thermoluminescent dosimeter

TMDL – Total maximum daily load

TPBARS – Tritium producing burnable absorber rods

TRU – Transuranic waste

TSCA – Toxic Substances Control Act

TSS – Total suspended solids

U

USFS-SR – U.S. Department of Agriculture Forest Service–Savannah River

USGS – U.S. Geological Survey

V

VIA – Values impact assessment

VOC – Volatile organic compound

W

WET – Whole effluent toxicity

WIPP – Waste Isolation Pilot Plant

WSRC – Westinghouse Savannah River Company